EVAFLEX® 5-SE-G HT

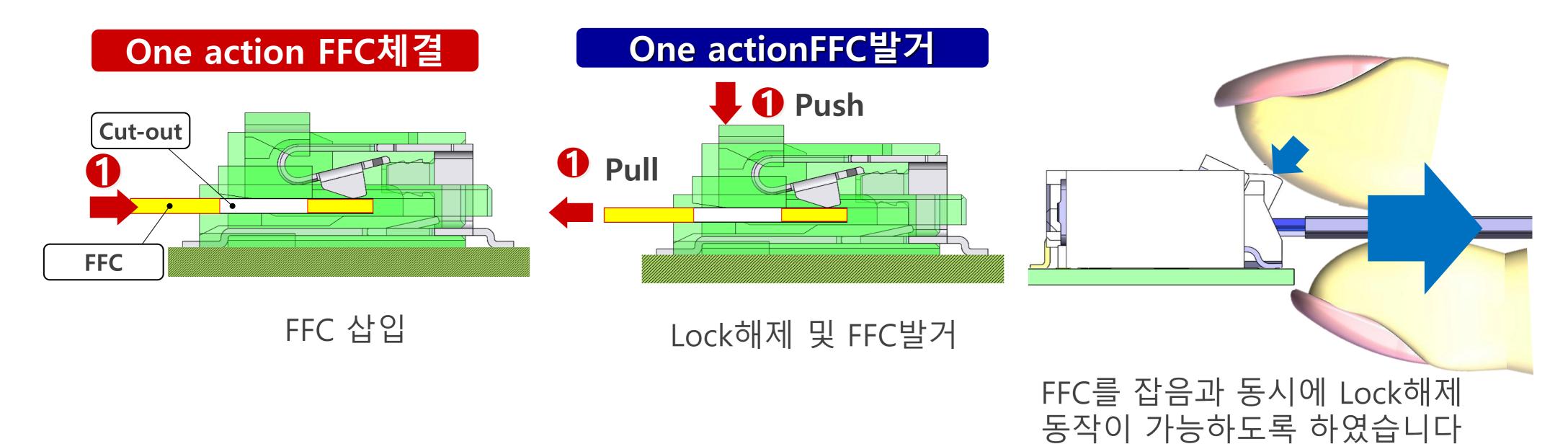
한 손 결합 작업에 대응 가능한 Auto-Lock, 고온 대응(125℃), 고속 전송 대응,수평 결합, 0.5 mm Pitch, 쉴드 FFC/FPC

Product Specifications:			Applicable FPC/FFC:		
Board Pitch (mm)		0.5	FDC/FFC Town	Shielded FFC, Non-shielded	
Wiping Length (mm)		1.2	FPC/FFC Type	FFC/FPC	
	Height	3.65 +/- 0.20	FPC/FFC Contact Point	Bottom	
Size (mm)	Width	Formula: 8.00 + (0.5*?p)	FPC/FFC Thickness (mm)	0.30 +/- 0.03	
	Depth	7.00 +/- 0.30			
Din counts	Range	20 - 60	Applicable Standards (Reference Only):		
Pin counts	Available	30, 50	eDP (2.7 Gbps) V-By-One HS 1.4 (4 Gbps)		

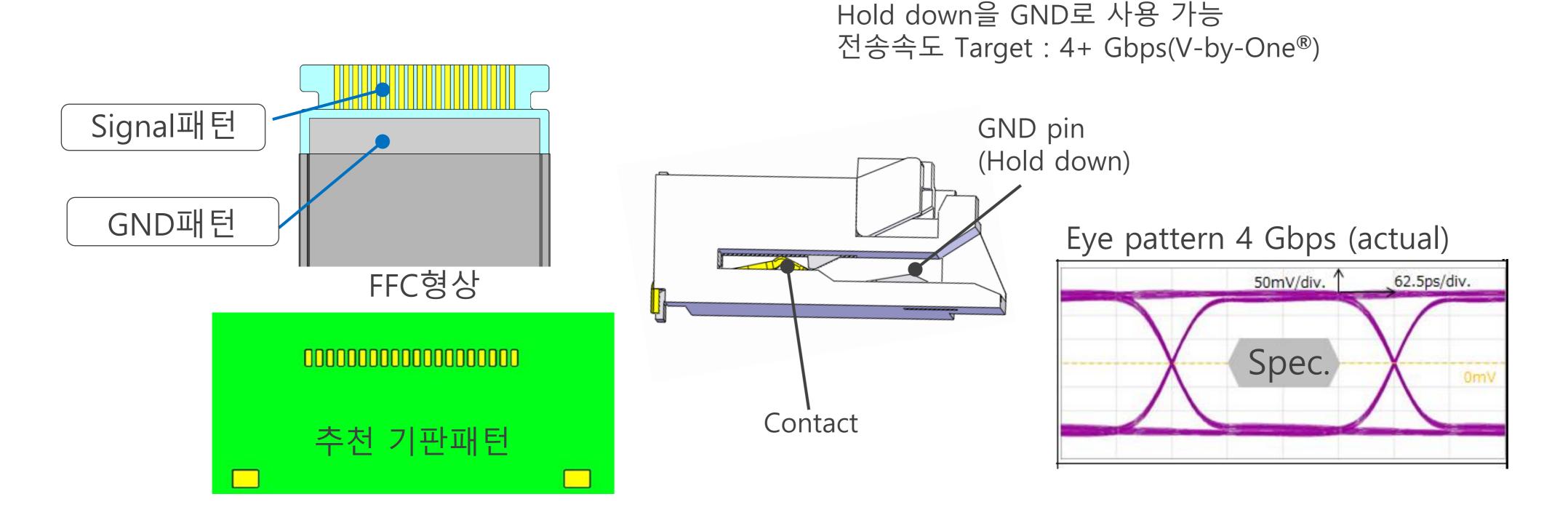
^{*}기재가 되어있지 않은 핀 수의 대응 여부에 대해서는 문의해 부탁 드립니다.



한 손으로 탈착 작업이 가능한 Auto-Lock 디자인, 수작업 또는 로봇에 의한 조립 작업에 최적

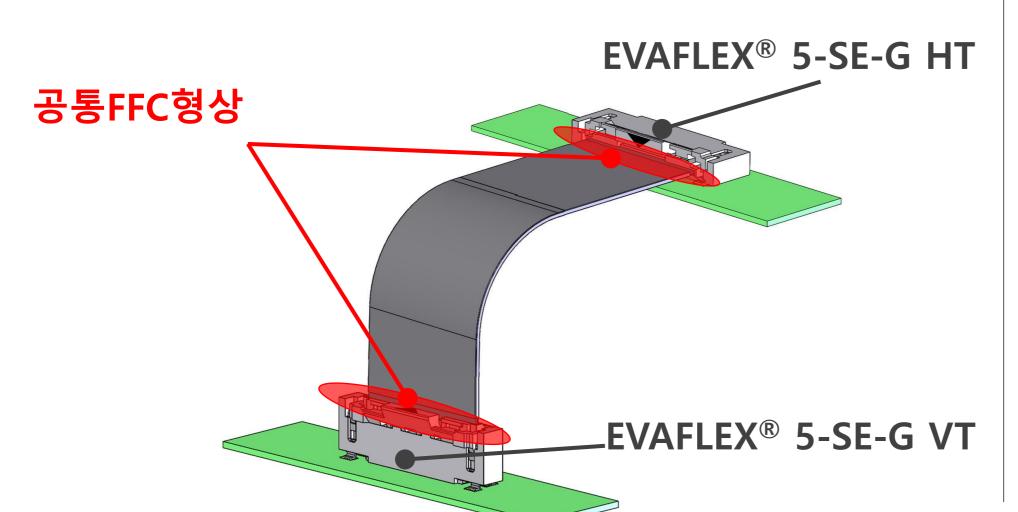


> 그라운드 단자를 내장한 고속 전송 설계(4+ Gbps V-by-One[®] HS)



> 확장성이 높은 EVAFLEX® 시리즈로 Auto-Lock을 비롯한 다양한 옵션에 대응

동일한FFC를 사용하는 수평결합타입: EVAFLEX® 5-SE-G VT



	EVAFLEX® 5-SE-G VT	EVAFLEX® 5-VS
Height (mm)	6.60 +/- 0.1	1.90 +/- 0.1
Operation Temperature	~ 125°C	~ 105°C
Reference Performance	V-by-one HS 1.4 (4+ Gbps)	PCIe Gen 3 (8+ Gbps)

고속 & 소형: EVAFLEX® 5-VS Type CH

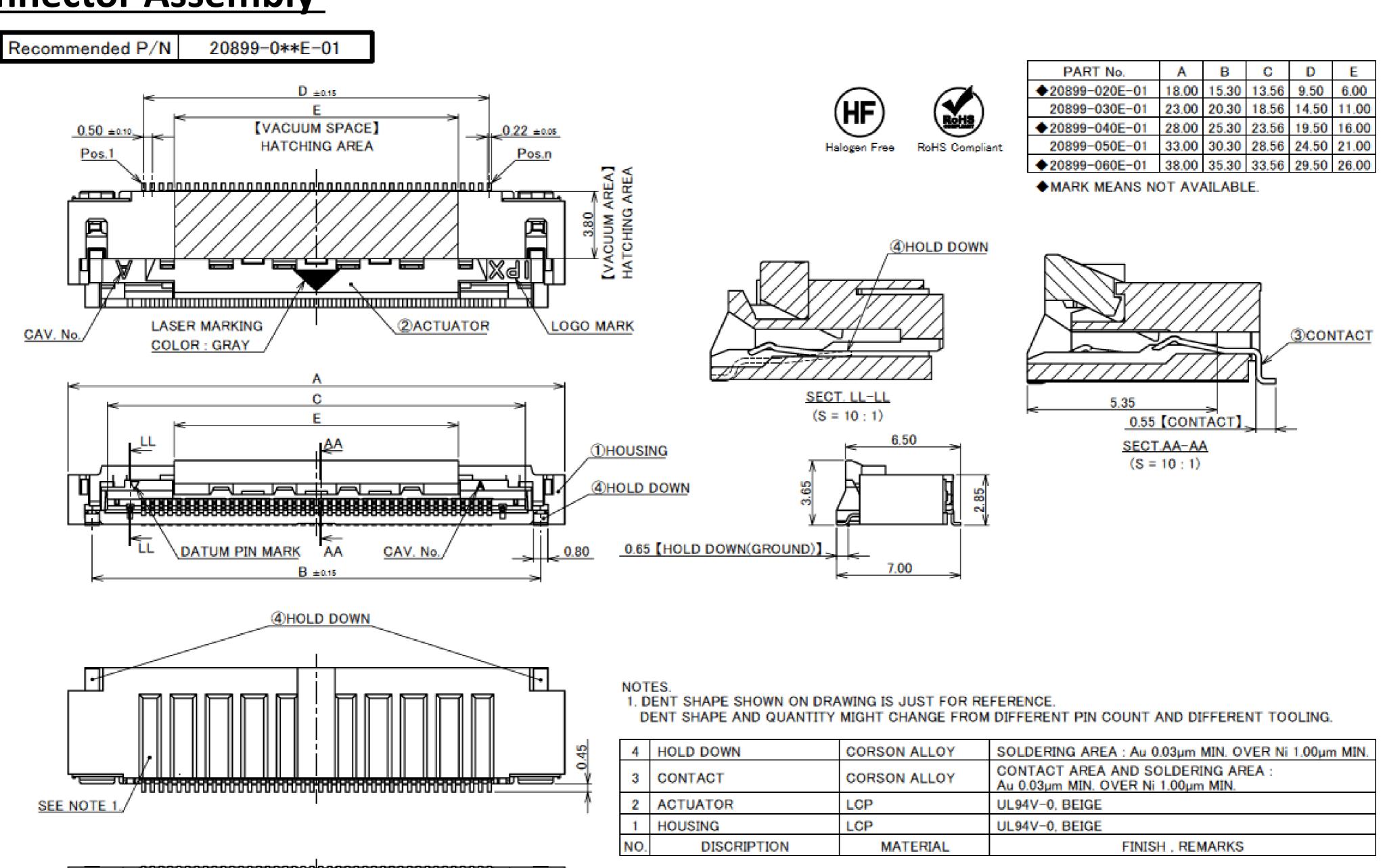




I-PEX

Component Parts Details

Connector Assembly





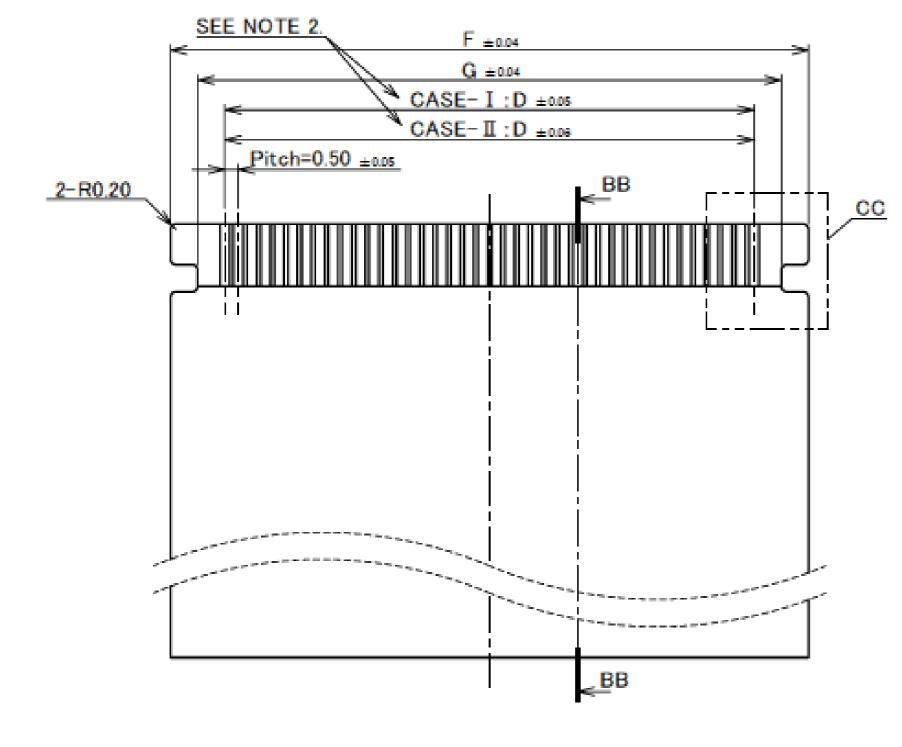
SEE NOTE.1

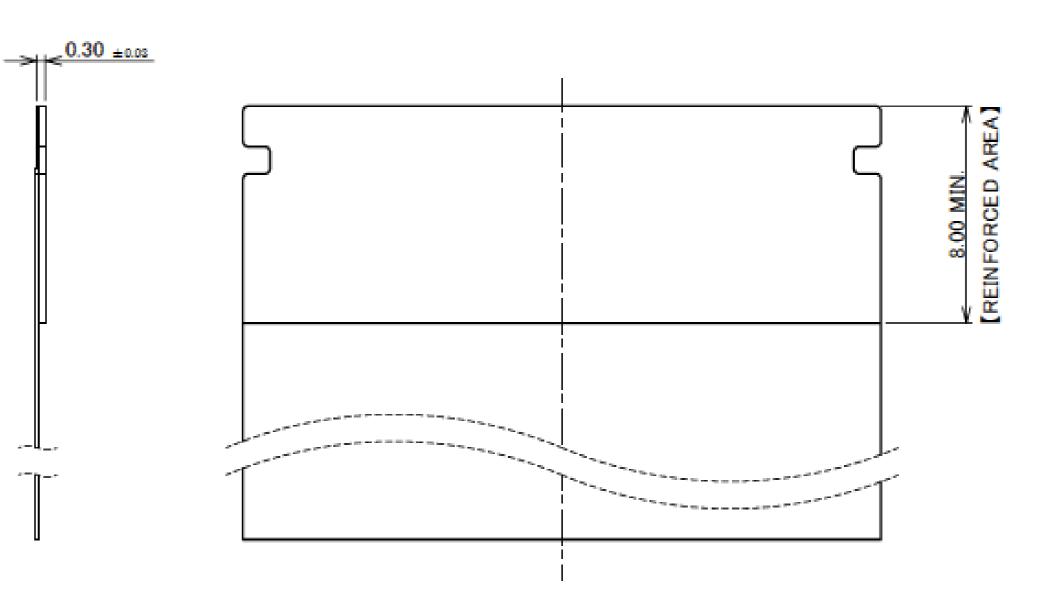
Connector Assembly

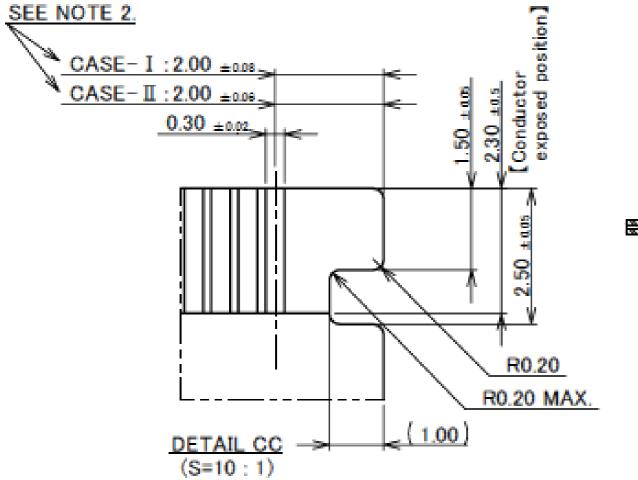
PART No.	D	F	G
◆20899-020E-01	9.50	13.50	11.50
20899-030E-01	14.50	18.50	16.50
◆20899-040E-01	19.50	23.50	21.50
20899-050E-01	24.50	28.50	26.50
◆20899-060E-01	29.50	33.50	31.50

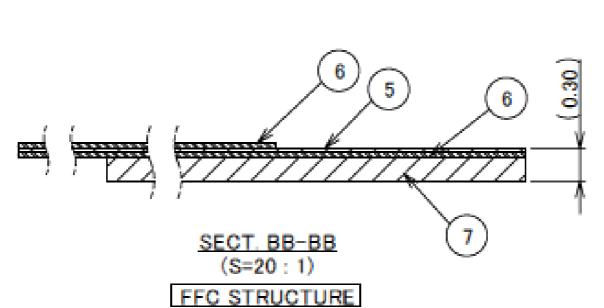
RECOMMENDED FFC LAYOUT [NON SHIELDED TYPE]

♦MARK MEANS NOT AVAILABLE.









NOTES.

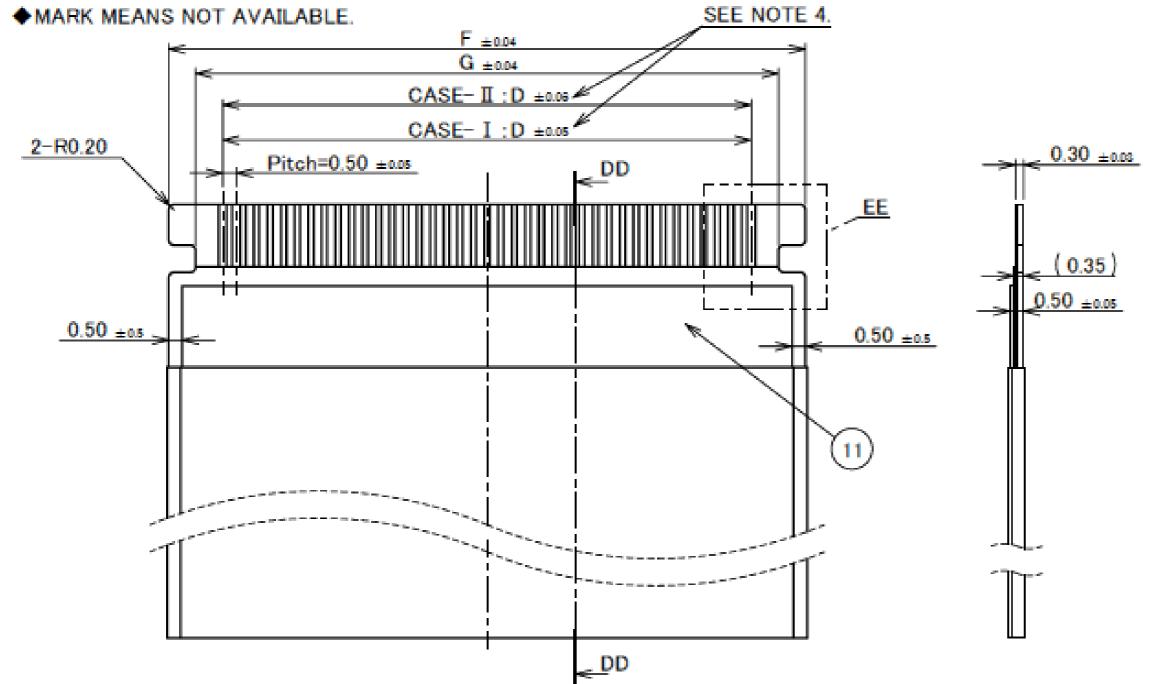
- 2. MANUFACTURE CASE- I or II
- SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

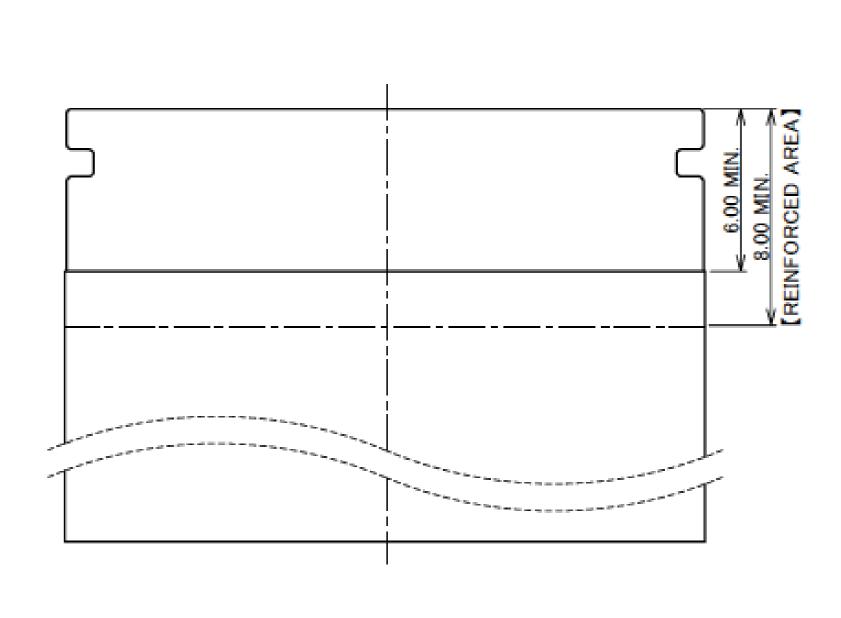
7	REINFORCED TAPE	ARBITRARY	
6	INSULATION FILM	ARBITRARY	
5	CONDUCTOR	COPPER ALLOY	CONTACT AREA : Au 0.05μ m Min. OVER NI 0.5μ m Min.
NO.	COMPONENTS	MATERIAL	FINISH

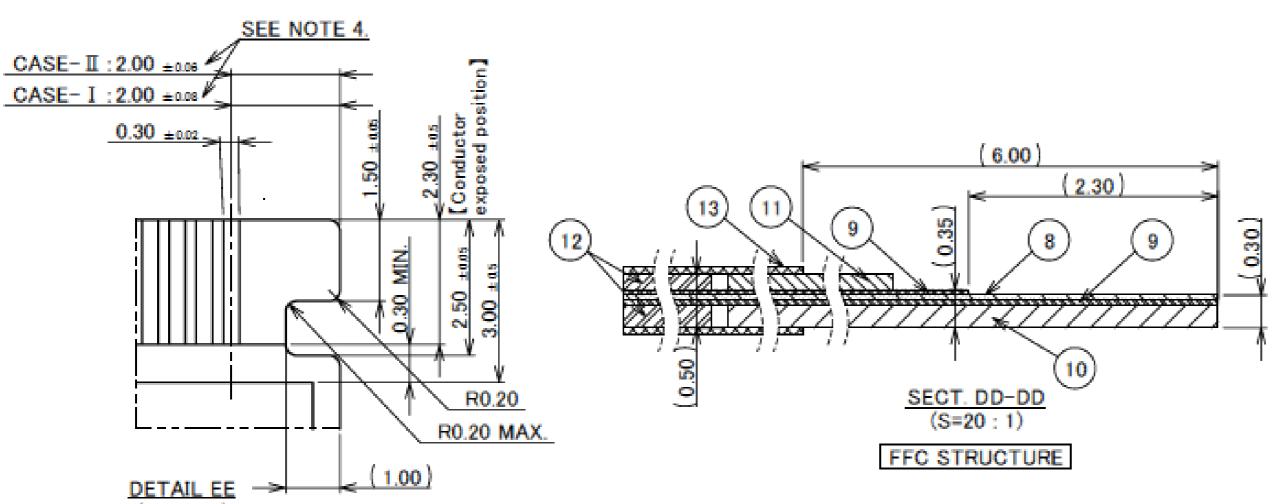
Rev.6

PART No.	D	F	G
◆20899-020E-01	9.50	13.50	11.50
20899-030E-01	14.50	18.50	16.50
◆20899-040E-01	19.50	23.50	21.50
20899-050E-01	24.50	28.50	26.50
◆20899-060E-01	29.50	33.50	31.50

RECOMMENDED FFC LAYOUT [SHIELDED TYPE]







NOTES.

- MANUFACTURE CASE- I or II
 DIFFERENTIAL IMPEDANCE: 100±10Ω
- SELECT A MATERIAL WITH A SOFTENING TEMPERATURE OF 85°C OR HIGHER FOR THE PATTERN ADHESIVE PART OF FFC.

	13	SHIELD TAPE	METALLIC FILM	
	12	INTERLAYER	ARBITRARY	
	11	GROUND PLATE	METALLIC FILM	POLISH or HALF POLISH Sn PLATING
3	10	REINFORCED TAPE	ARBITRARY	
3	9	INSULATION FILM	ARBITRARY	
V	8	CONDUCTOR	COPPER ALLOY	CONTACT AREA: Au 0.05 µm MIN. OVER NI 0.5 µm MIN.
T	NO.	COMPONENTS	MATERIAL	FINISH

Rev.6

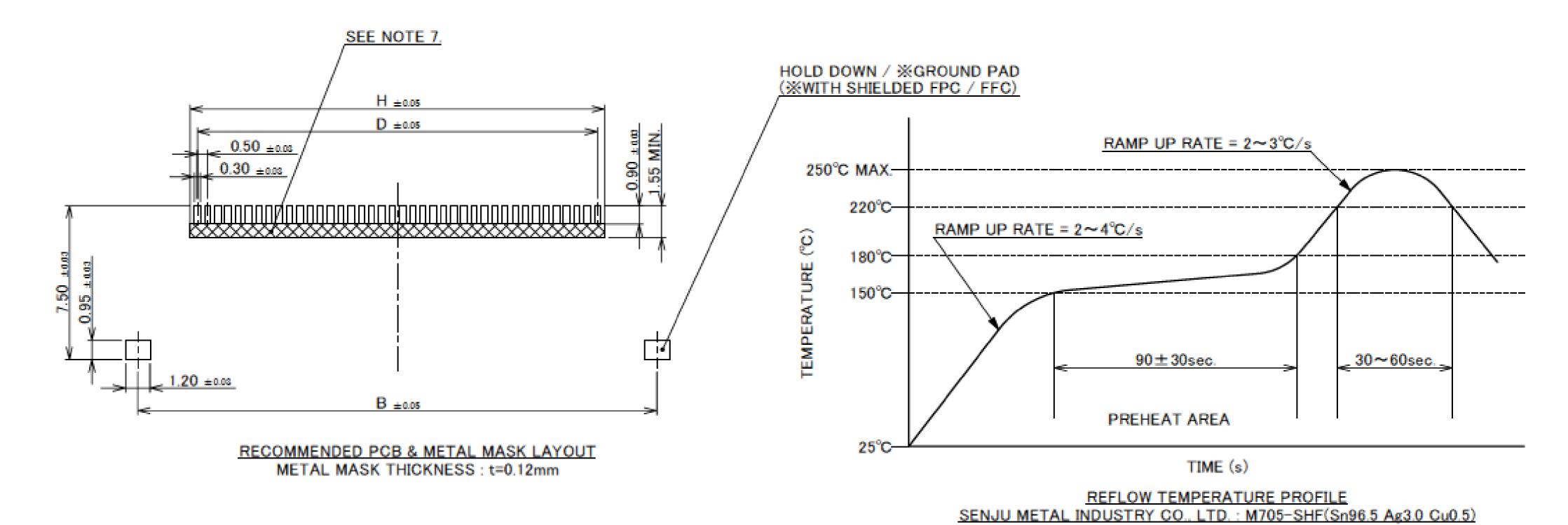


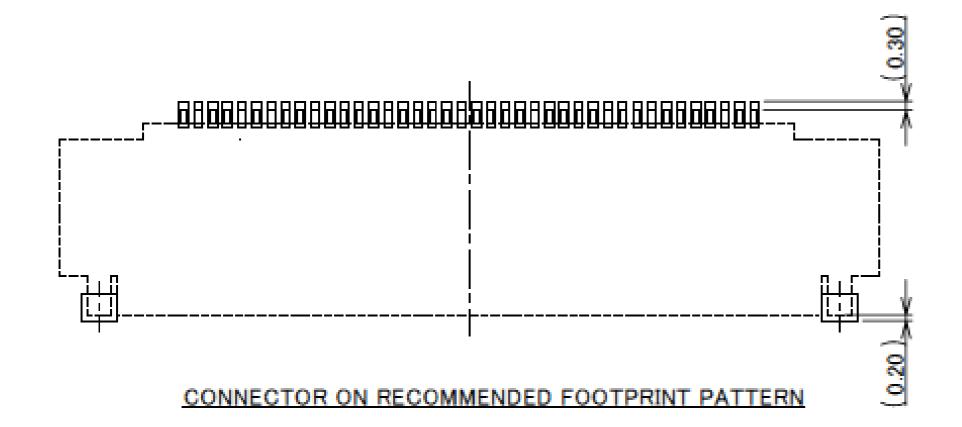
(S=10:1)

Connector Assembly

PART No.	В	D	Н
◆20899-020E-01	15.30	9.50	10.20
20899-030E-01	20.30	14.50	15.20
◆20899-040E-01	25.30	19.50	20.20
20899-050E-01	30.30	24.50	25.20
◆20899-060E-01	35.30	29.50	30.20

[♦] MARK MEANS NOT AVAILABLE.





NOTES
7. SOLDER RESIST MUST BE APPLIED TO THIS AREA.

ITEMS	SPECIFICATION		
RATING VOLTAGE	50V AC/DC (PER CONTACT PIN)		
RATING AMPERAGE	0.35A AC/DC (PER CONTACT PIN) AVAILABLE FOR ALL CONTACTS 0.5A AC/DC (PER CONTACT PIN) AVAILABLE UP TO 15 CONTACTS		
OPERATING TEMPERATURE	233~398K(−40°C~+125°C)		
OPERATING HUMIDITY	85% MAX.		
CONTACT RESISTANCE	INITIAL: 60mohm MAX. / AFTER TEST: ∠40mohm MAX.		
INSULATION RESISTANCE	500Mohm MIN.		
DIELECTRIC WITHSTANDING VOLTAGE	AC250V 1min		
DURABILITY	50TH CYCLES		
FPC/FFC MATING FORCE (INITIAL / 50TH CYCLES)	20P: 15.00 N MAX. 30P: 22.00 N MAX. 40P: 29.00 N MAX. 50P: 36.00 N MAX. 60P: 43.00 N MAX.		
FPC/FFC UNMATING FORCE (INITIAL / 50TH CYCLES)	20P : 2.00 N MIN. 30P : 2.70 N MIN. 40P : 3.40 N MIN. 50P : 4.10 N MIN. 60P : 4.80 N MIN.		
FPC/FFC RETENTION FORCE (INITIAL / AFTER TEST)	20P: 11.00 N MIN. 30P: 11.70 N MIN. 40P: 12.40 N MIN. 50P: 13.10 N MIN. 60P: 13.80 N MIN.		
COPLANARITY	0.10 MAX.		
PRODUCT SPECIFICATION	PRS-2470		
TEST REPORT	TR-18020		
PACKING STANDARD	PST-19019		
INSTRUCTION MANUAL	HIM-18018		
APPEARANCE CRITERIA No.	QLS-A***		



Rev.6

Custom
Connectors
Available

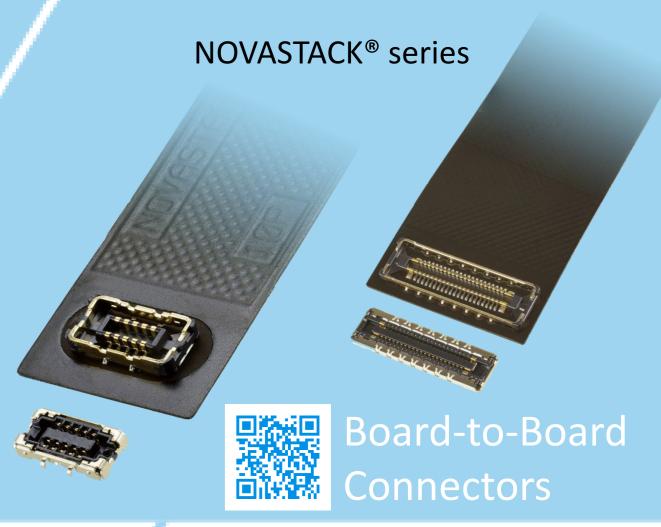




AP series

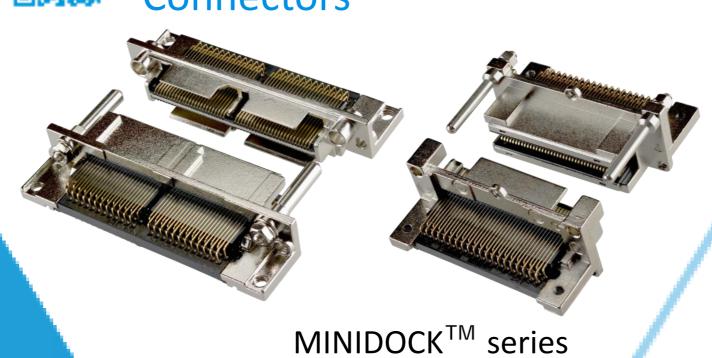






MINIFLEX® series









EVAFLEX® series









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